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So



Urban District Council of Farnworth.

ANNUAL REPORT

The Urban District Council

— OF —

For the year ended 31st December, 1920.

FARNWORTH.

To the Members of the
Urban District Council of Farnworth.

Annual Reports

— BY —

ALFRED KERSHAW, M.D.,

Medical Officer of Health,

JAMES MARSHALL,

Nuisance Inspector,

MISS PENDLEBURY,

Health Visitor,

FOR THE YEAR 1920.



The Urban District Council

FARNWORTH.

Annual Reports

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FOR THE YEAR 1920.

Urban District Council of Farnworth.

ANNUAL REPORT OF THE *Medical Officer of Health,*

For the year ended 31st December, 1920.

To the Chairman and Members of the
Urban District Council of Farnworth.

GENTLEMEN,

I have the honour to present for your consideration my 46th Annual Report on the health and sanitary administration of the Farnworth Urban District for the year ended 31st December, 1920, which also is my last Report as your Medical Officer of Health.

The statistics with regard to births and deaths have again been supplied by the Registrar-General through the County Public Health Department, and the number of births and deaths referred to in this report are those "registered" during the calendar year, and are corrected for "inward" and "outward" transfers. They may, therefore, differ slightly from the uncorrected figures compiled locally either for the calendar year or for a period of 52 or 53 weeks.

AREA. The area under the jurisdiction of the Farnworth Urban District Council, according to the last Census return, is 1,504 statute acres.

POPULATION. During the war period the Registrar-General, for statistical purposes, has used two populations, one the "birth-rate population" which included all elements of the population contributing to the birth-rate and the other the "death-rate population" which excluded all non-civilian males whether serving at home or abroad.

In 1920 demobilization had reached a stage at which the Registrar-General felt that the distinction between "birth-rate populations" and "death-rate populations" made during the period when a large part of the male population was under arms might, in general, be discontinued. A single estimate of population is now shown applicable to both births and deaths. This estimate for Farnworth is 28,925.

Urban District Council of Farnworth.

ANNUAL REPORT

OF THE

Medical Officer of Health.

For the year ended 31st December, 1920.

To the Chairman and Members of the
Urban District Council of Farnworth.

GENTLEMEN,

I have the honour to present for your consideration my 4th Annual Report on the health and sanitary administration of the Farnworth Urban District for the year ended 31st December, 1920, which also is my last Report as your Medical Officer of Health.

The statistics with regard to births and deaths have again been supplied by the Registrar-General through the County Public Health Department, and the number of births and deaths referred to in this report are those "registered" during the calendar year, and are corrected for "inward" and "outward" transfers. They may, therefore, differ slightly from the uncorrected figures compiled locally either for the calendar year or for a period of 52 or 53 weeks.

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VITAL STATISTICS.

BIRTHS AND BIRTH RATE. The total number of births reported by the Registrar-General as belonging to the Urban District of Farnworth during the year 1920 was 702 (males 346, females 356) or 207 in excess of the number registered during the preceding 12 months.

The birth rate for the Urban District corresponded to 24·2 per 1,000, no less than 7·2 per 1,000 above the rate for the year 1919 and 3·3 per 1,000 in excess of the mean of the 10 years 1910-1919. The birth rate for the year under report is the highest recorded for the District since 1910.

The provisional birth rate for England and Wales for 1920 was 25·4.

DEATHS AND DEATH RATES. The nett deaths actually belonging to Farnworth for the year 1920 numbered 375—males 188, females 187, as compared with 472 last year and 411 in the year 1918. The total for 1920 includes 36 deaths known as “inward transfers,” i.e., of persons belonging to Farnworth who died outside the urban district and excludes 381 “outward transfers,” i.e., deaths occurring mostly in the Union Workhouse of persons not belonging to Farnworth. The 36 “inward transfers” occurred mainly in public institutions such as Infirmarys, Asylums, &c.

The tabulated statement given below analyses the causes of the 375 deaths distinguishing males and females.

CAUSES OF DEATH IN FARNWORTH URBAN DISTRICT, 1920.

All Causes (Civilians only 375—188 Males, 187 Females.

	Males	Females		Males	Females
Enteric fever	1	-	Diarrhoea, &c. (under 2		
Measles	-	1	years)	9	7
Scarlet fever	-	1	Appendicitis & typhlitis	1	1
Whooping Cough ...	2	2	Nephritis and Bright's		
Diphtheria & Croup ...	3	3	disease	8	6
Influenza	10	4	Puerperal fever	-	2
Pulmonary tuberculous	8	14	Parturition, apart from		
Tuberculous meningitis	-	1	puerperal fever...	-	1
Other tuberculosis dis.	3	1	Congenital debility, &c.	19	13
Cancer, malignant dis.	8	14	Violence, apart from		
Rheumatic Fever ...	-	1	suicide	10	3
Meningitis	-	2	Suicide	2	1
Organic heart disease	9	9	Other defined diseases	55	74
Bronchitis	16	10			
Pneumonia (all forms)	21	15			
Other respiratory dis.	3	1			

Deaths of Infants under 1 year of age—52 Males, 36 Females.

Total Illegitimate 5 Males, 3 Females.

Total Births 702—346 Males, 356 Females.

Legitimate 336 Males, 328 Females.

Illegitimate 10 Males, 28 Females.

Population, 28,925.

VITAL STATISTICS.

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The tabulated statement given below analyses the causes of the 375 deaths distinguishing males and females.

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All Causes (Civilians only) 375—188 Males, 187 Females.

Males			Females		
Enteric fever	1
Measles	1	...	...	...	...
Scarlet fever	1	...	...	...	...
Whooping Cough	2	...	...	...	...
Diphtheria & Croup	3	...	...	...	...
Influenza	4	...	10	...	...
Pulmonary tuberculosis	14	...	8	...	...
Tuberculous meningitis	1	...	...	...	...
Other tuberculous dis.	3	...	...	...	...
Cancer, malignant dis.	14	...	8	...	...
Rheumatic Fever	1	...	...	...	...
Meningitis	2	...	...	...	...
Organic heart disease	9	...	9	...	...
Bronchitis	10	...	16	...	...
Pneumonia (all forms)	15	...	31	...	...
Other respiratory dis.	1	...	3	...	...
Diarrhoea, &c. (under 5 years)	7	...	9	...	...
Appendicitis & typhitis	1	...	1	...	...
Nephritis and Bright's disease	6	...	8	...	...
Puerperal fever	2	...	...	...	...
Parturition, apart from puerperal fever	1	...	...	...	...
Congenital debility, &c.	13	...	19	...	...
Violence, apart from suicide	3	...	10	...	...
Suicide	1	...	2	...	...
Other defined diseases	74	...	55	...	...

Deaths of infants under 1 year of age—52 Males, 36 Females.

Total Illegitimate 5 Males, 3 Females.

Total Births 702—346 Males, 356 Females.

Legitimate 336 Males, 328 Females.

Illegitimate 10 Males, 28 Females.

Population, 28,925.

The death rate of the Urban District for the year under report, calculated on the estimated population previously mentioned (28,925) was equal to 12·9 per 1,000 as compared with a rate of 16·9 last year, 17·1 in 1918, 16·1 in 1917, and an average of 15·4 for the decennial period 1910-1919. The death rate for the year under report is the lowest recorded for the district since 1912.

The provisional death rate for the whole of England and Wales in 1920 was 12·4.

DEATHS FROM THE PRINCIPAL EPIDEMIC DISEASES. Under this head 29 deaths were registered, viz., enteric fever 1, measles 1, scarlet fever 1, whooping cough 4, diphtheria 6, and diarrhoea 16. Last year this group of diseases was responsible for 18 fatalities.

The epidemic death rate calculated per 1,000 of the estimated population was 1·0 as compared with 0·64 last year, 1·29 in 1918, 1·41 in 1917, and an average of 1·96 for the 10 years 1910-1919.

PHTHISIS (PULMONARY TUBERCULOSIS) gave rise to 22 deaths, males 8, females 14, against 30 deaths last year and 32 in the year 1918.

The death rate in 1920 corresponded to 0·76, or 0·31 below the rate recorded in the preceding 12 months. The average phthisis death rate for the past ten years was 0·95.

BRONCHITIS AND PNEUMONIA. Bronchitis was the cause of 26 deaths and pneumonia 36 deaths, as compared with 47 and 49 deaths respectively in the preceding year.

INFLUENZA was accredited with only 14 deaths against 67 deaths last year and 39 in 1918.

CANCER (MALIGNANT DISEASE) caused 22 deaths, males 8, females 14, or 14 fewer than in the previous year.

INFANTILE MORTALITY. The total number of deaths registered of infants under the age of one year belonging to the Urban District of Farnworth was 88, males 52, females 36, an increase as compared with last year of 25 deaths. Of these deaths 8 were illegitimate, males 5, females 3.

The infant death rate calculated per 1,000 registered births corresponded to 125 as compared with a rate of 127 last year, 113 in 1918, 115 in 1917, and an average of 143 for the 10 years 1910-1919.

The infant death rate for the whole of England and Wales in 1920 was 80 per 1,000 registered births.

The table following analyses the causes of infant deaths at stated age periods.

The death rate of the Urban District for the year under report, calculated on the estimated population previously mentioned (28,925) was equal to 12.9 per 1,000 as compared with a rate of 16.9 last year, 17.1 in 1916, 16.1 in 1917, and an average of 15.4 for the decennial period 1910-1919. The death rate for the year under report is the lowest recorded for the district since 1912.

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The epidemic death rate calculated per 1,000 of the estimated population was 1.0 as compared with 0.64 last year, 1.29 in 1918, 1.41 in 1917, and an average of 1.36 for the 10 years 1910-1919.

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INFANTILE MORTALITY. The total number of deaths registered of infants under the age of one year belonging to the Urban District of Farnworth was 28, males 22, females 36, an increase as compared with last year of 25 deaths. Of these deaths 8 were illegitimate, males 5, females 3.

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The infant death rate for the whole of England and Wales in 1920 was 80 per 1,000 registered births.

The table following analyses the causes of infant deaths at stated age periods.

INFANTILE MORTALITY DURING THE YEAR 1920.

Nett Deaths from stated Causes at Various Ages under 1 Year of Age.

URBAN DISTRICT OF FARNWORTH.

CAUSES OF DEATH	Periods of Time									
	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month	1-3 Months.	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under One Year.
Whooping Cough	...	...	...	...	...	1	...	...	...	1
Meningitis	...	...	...	...	...	...	...	...	1	1
Convulsions	...	...	...	...	1	...	...	...	...	1
Bronchitis	...	...	...	...	...	...	1	...	...	1
Pneumonia (all forms)	...	2	...	...	4	3	2	...	...	11
{ Diarrhoea ...	...	...	1	...	1	1	...	...	...	6
{ Enteritis ...	...	...	...	1	1	3	4	...	...	10
{ Syphilis ...	...	...	...	...	...	1	...	...	...	4
{ Rickets ...	...	...	...	...	...	2	...	...	...	3
Atelectasis	1	...	1	...	2	...	...	...	...	1
Congenital Malformations	...	...	...	...	...	...	...	...	...	2
Premature Birth ...	13	4	2	2	21	8	...	...	...	29
Atrophy, Debility, & Marasmus	4	2	1	1	8	5	2	3	1	19
Other Causes	...	...	...	...	...	...	...	...	...	...
Totals	19	8	5	6	38	24	13	7	6	88

Nett Births in the year, 702—legitimate 664, illegitimate 38.

The tabulated statement here given compares the birth and death rates of the Urban District for 1920 with those for the year 1919 and with the mean of the 10 years 1910-1919, showing the respective increases or decreases.

Per 1,000 of Population.

FARNWORTH				Birth rate	Death rate	Epidemic Death rate	Phthisis Death rate	Rate of Deaths under 1 year to 1,000 Births
1920	...	...	...	24.2	12.9	1.00	0.76	125
1919	...	...	...	17.0	16.9	0.64	1.07	127
Mean of 10 years—								
1910-1919	...	...	...	20.9	15.4	1.96	0.95	143
Increase or Decrease in 1920 on—								
Previous year	...	...	...	7.2	4.0	0.36	0.31	2
Ten years' average	...	...	...	3.3	2.5	0.96	0.19	18

Table I here given compares the statistics relating to births and deaths in 1920 with the preceding 5 years.

TABLE I.—Vital Statistics of Whole District during 1920 and Previous Years.
URBAN DISTRICT OF FARNWORTH.

Year. 1	Population estimated to Middle of each Year. 2	Births		Transferable Deaths.		Nett Deaths belonging to the District.		
		Nett.		of Non- residents registered in the District. Number. 5	of Resi- dents not registered in the District. Number. 6	Under 1 Year of Age.		At all Ages.
		Number. 3	Rate. 4			Number. 7	Rate per 1000 Nett Births. 8	
1915	26241 Est. Civilian Population	576	19.8	284	28	99	17.2	484
1916...	For Births 27813 Deaths 25563	515	18.5	279	40	54	104	386
1917...	Births 27599 Deaths 24759	509	18.5	242	41	59	111	400
1918...	Births 26844 Deaths 23958	M { 274 250 } F { 246 246 }	18.1	238	45	59	113	M { 219 411 } F { 192 472 }
1919...	Births 28977 Deaths 27817	M { 267 495 } F { 228 228 }	17.0	250	38	63	127	M { 240 472 } F { 232 375 }
1920...	28925	M { 346 702 } F { 356 356 }	24.2	381	36	88	125	M { 188 375 } F { 187 187 }

The tabulated statement here given compares the birth and death rates of the Town District for 1920 with those for the year 1919 and with the

Per 1,000 of Population.

Birth rate	Death rate	Infantile death rate	Infantile death rate	Infantile death rate	Infantile death rate
1920	1919	1920	1919	1920	1919
17.0	16.0	0.61	0.61	1.07	0.76
14.3	12.1	1.00	0.96	0.31	0.31

These figures are based on the data furnished by the Registrar General and are subject to revision.

Birth rate	Death rate	Infantile death rate	Infantile death rate	Infantile death rate	Infantile death rate
1920	1919	1920	1919	1920	1919
17.0	16.0	0.61	0.61	1.07	0.76
14.3	12.1	1.00	0.96	0.31	0.31

NOTIFICATIONS OF INFECTIOUS DISEASES. The following cases of infectious diseases were notified during the year under report :—

Scarlet fever	119
Diphtheria	38
Enteric fever	1
Erysipelas	24
Influenza	21
Puerperal fever	4
Lobar Pneumonia	11
Malaria	6
Ophthalmia Neonatorum	3
Tuberculosis :—	
Pulmonary	22
Non-Pulmonary	5

Under the tuberculosis regulations 80 cases were notified, viz., pulmonary tuberculosis 59, non-pulmonary tuberculosis 21.

REMOVALS TO HOSPITAL. The following removals to hospital took place :—scarlet fever 75, enteric fever 1.

SANITARY WORK. Appended to this Report is the Report of the Inspector of Nuisances which sets out in detail the amount of sanitary work accomplished during the year under Report.

CHILD WELFARE WORK. Appended also is the Report of the Lady Health Visitor on the Child Welfare Work carried out during 1920.

I take this opportunity of expressing my gratitude to the Members of the Council and to the Staff for their great kindness to me.

I am, Gentlemen,

Yours faithfully,

ALFRED KERSHAW.

Eastfield,

Farnworth, May, 1921.

Urban District Council of Farnworth.

ANNUAL REPORT
OF THE
Inspector of Nuisances,

For the year ended 31st December, 1920.

To the Chairman and Members of the
Urban District Council of Farnworth.

GENTLEMEN,

I have pleasure in submitting to you my Twentieth Annual Report of the sanitary work carried out during the year ended 31st December, 1920.

Much of this work has been effected without the necessity of serving notices, as many of the owners or persons responsible for the sanitary condition of premises, on being interviewed, expressed their willingness to carry out the work required.

On account of the shortage of materials, during a portion of the year, much work of an essential character, especially the conversion of privies into water closets, had to be deferred, but I am pleased to say that this work is again being pushed forward.

The following summary records the work done, which, I may say, has been carried out with as little delay as possible, and with due regard for the public health :

Urban District Council of Farnworth

ANNUAL REPORT

OF THE

Inspector of Nuisances

For the year ended 31st December, 1920.

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notices, as many of the owners or persons responsible for the sanitary condition
of premises, on being interviewed, expressed their willingness to carry out the
work required.

The amount of the charges in respect of the work done during the year
has been £1,100.00. The amount of the charges in respect of the work done
during the year has been £1,100.00. The amount of the charges in respect of
the work done during the year has been £1,100.00.

The work done during the year has been of a most satisfactory nature,
and I am sure that the Council will be pleased to hear that the
work has been done with due regard for the public health.

Summary of Work done from January 1st to December 31st, 1920.

Closets and Ashpits.

Privies converted to W.Cs., four being rebuilt	...	176
Additional W.Cs. provided	... ..	12
Bins provided in lieu of ashpits	... ..	192
Bins renewed	... ..	12
Other closet nuisances	... ..	10

Drains.

Gullies fixed to surface drains	... ..	4
Drains unstopped	... ..	72
„ repaired	... ..	2
„ reconstructed	... ..	138
Downspouts disconnected	... ..	70
Bath, sink, etc., pipes disconnected	... ..	2

Other Nuisances.

Fallpipes, eavespouts, and roofs repaired	... ..	4
Pipe protectors fixed	... ..	6
Offensive accumulations removed	... ..	2
Keeping animals	... ..	1
Miscellaneous	... ..	7

Housing and Town Planning.

Houses limewashed, etc.	... ..	5
Walls, ceilings, and floors repaired	... ..	6

Total ... 719

Table showing the Month and Ward in which the foregoing nuisances have been abated :—

	N.	S.	N.W.	S.W.	N.E.	S.E.	Total
January.....	8	4	1	0	1	3	17
February ...	3	17	2	0	0	1	23
March	5	3	0	2	0	1	11
April	5	5	4	2	7	0	23
May	1	2	6	9	5	8	31
June	12	13	0	1	2	1	29
July	0	26	0	11	7	0	44
August	5	0	0	57	0	0	62
September...	19	49	0	0	0	0	68
October	15	39	30	0	1	2	87
November ...	0	0	33	109	0	2	144
December ...	12	1	47	92	28	0	180
Totals.....	85	159	123	283	51	18	719

In order to secure the abatement of the foregoing nuisances, it has been necessary, in addition to private interviews, to serve 112 preliminary notices, 75 statutory notices, and to write 80 letters; and in the execution of the work 1,059 visits have been paid during its progress.

No summonses were taken out during the year.

Closet and ashpit accommodation at December 31st, 1920 :—

Houses, including business premises	...	6,259
Fresh water closets	... ..	3,147
Waste water closets	... ..	598
Privies	... ..	2,542
Pail closets	... ..	2
Ash bins	... ..	1,245
Dry ashpits	... ..	1,231
Privy ashpits	... ..	1,370

At Mills, Workshops, Schools, etc. :—

Fresh water closets	... ..	733
Waste water closets	... ..	3
Pail closets	... ..	65
Privies	... ..	18
Privy ashpits	... ..	10
Dry ashpit	... ..	1

New houses erected and completed during :—

1911	...	59	1916	...	0
1912	...	47	1917	...	(2 additional houses made).
1913	...	20	1918	...	0
1914	...	42	1919	...	0
1915	...	12	1920	...	0

All premises where cases of Typhoid Fever, Scarlet Fever, Diphtheria, and Erysipelas, have occurred, have been visited and examined, 374 visits having been made with regard to infectious diseases. Again, only one case of Typhoid Fever was notified during the year.

Table giving the number of cases in each Ward :—

1919		N.	S.	N.E.	S.E.	N.W.	S.W.	Total 1920
1	Typhoid Fever ...	0	0	0	0	1	0	1
50	Scarlet Fever ...	13	21	12	16	10	41	113
22	Diphtheria ...	5	2	6	5	5	10	33
15	Erysipelas ...	9	0	4	2	4	1	20
88	Total ...	27	23	22	23	20	52	167

Table giving the number of cases occurring each month :—

	Typhoid	Scarlet	Diph- theria	Erysi- pelas	Total
January ...	0	9	7	1	17
February ...	0	20	6	1	27
March ...	0	10	2	2	14
April ...	0	12	3	4	19
May ...	0	13	2	2	17
June ...	0	11	3	3	17
July ...	0	4	6	1	11
August ...	1	6	3	1	11
September...	0	5	1	1	7
October ...	0	8	0	1	9
November ...	0	9	0	1	10
December ...	0	6	0	2	8
Total ...	1	113	33	20	167

Number of rooms disinfected by Sulphur and Formaldelyde fumigation :—

January ...	15	July ...	23
February ...	28	August ...	24
March ...	23	September ...	5
April ...	26	October ...	15
May ...	20	November ...	9
June ...	19	December ...	11

Total ... 218

Day Schools disinfected ... 4.

Number of articles disinfected by steam at the Hospital :—

	Beds	Mat- tresses	Blankets	Quilts	Sheets	Other Articles	Total
Jan.	10	0	21	15	8	59	113
Feb.	23	0	42	34	14	115	228
Mar.	23	0	51	23	10	59	166
April	20	0	33	30	15	57	155
May	11	0	13	20	7	53	104
June	15	0	22	14	5	41	97
July	18	0	21	24	4	54	121
Aug.	14	0	12	19	7	45	97
Sept.	4	0	5	8	4	32	53
Oct.	12	0	13	15	5	34	79
Nov.	10	0	18	17	7	43	95
Dec.	18	0	24	15	11	66	134
Total	178	0	275	234	97	658	1442

The case of Typhoid Fever occurred at a house supplied with a privy closet.

The 33 cases of Diphtheria occurred in 32 houses, 14 cases at 13 houses provided with privies, 5 cases at 5 houses provided with W.W.Cs., and 14 cases at 14 houses with W.Cs.

Your District has again been free from Small-Pox.

Table showing the number of cases of smallpox in the city of New York, from January 1, 1892, to January 1, 1893.

Year	1892	1893	1894	1895	1896
Jan.	0	0	0	0	0
Feb.	0	0	0	0	0
Mar.	0	0	0	0	0
Apr.	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	0	0	0	0	0
Aug.	0	0	0	0	0
Sept.	0	0	0	0	0
Oct.	0	0	0	0	0
Nov.	0	0	0	0	0
Dec.	0	0	0	0	0
Total	0	0	0	0	0

Number of cases of smallpox in the city of New York, from January 1, 1892, to January 1, 1893.

January	...	15	July	...	23
February	...	23	August	...	23
March	...	23	September	...	23
April	...	23	October	...	23
May	...	23	November	...	23
June	...	23	December	...	23
Total	...	23	Total	...	23

Number of cases of smallpox in the city of New York, from January 1, 1892, to January 1, 1893.

Table showing the number of cases of smallpox in the city of New York, from January 1, 1892, to January 1, 1893.

Year	1892	1893	1894	1895	1896
Jan.	0	0	0	0	0
Feb.	0	0	0	0	0
Mar.	0	0	0	0	0
Apr.	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	0	0	0	0	0
Aug.	0	0	0	0	0
Sept.	0	0	0	0	0
Oct.	0	0	0	0	0
Nov.	0	0	0	0	0
Dec.	0	0	0	0	0
Total	0	0	0	0	0

Number of cases of smallpox in the city of New York, from January 1, 1892, to January 1, 1893.

Number of cases of smallpox in the city of New York, from January 1, 1892, to January 1, 1893.

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Number of cases of smallpox in the city of New York, from January 1, 1892, to January 1, 1893.

Smoke Observations.

Twelve observations of 60 minutes each have been taken of works' chimneys within your District, none of which have exceeded $7\frac{1}{2}$ minutes of black smoke, the average time black smoke was emitted per observation being 2 minutes 35 seconds.

No notices have been served for the abatement of smoke nuisances.

Common Lodging Houses.

Your District is at the present time without a registered Common Lodging House.

Slaughter Houses and Tripe Boilers.

The licences of 11 slaughter-houses in your District have been renewed during the year, and these, together with the two tripe boiling places in the town, have received 42 visits, and nothing more than verbal notice has been required to ensure the requisite limewashing, cleanliness, sanitary condition of floors, and the removal of refuse.

Dairies and Cowsheds.

These are well kept, and have received 76 visits, whilst the regulations in force as to limewashing, cleanliness, etc., have been duly observed. No notices have been served under the Dairies and Cowsheds Order.

Inspections have been made, along with Mr. Whitehead, Veterinary Inspector, of all Dairy Cows in the District, with a view to detecting whether any were suffering from any injurious disease. Only one was suspected, and on a sample of the milk being analysed, it was certified to being suffering from Tuberculosis. The animal was then slaughtered, and after inspection the whole carcase was condemned as being unfit for food. There are now on the register 3 Dairymen, and 15 Cowkeepers.

Factories and Workshops.

175 visits have been made to the various Bakehouses, Factories, and Workshops. The number of Workshops on the register at the end of the year was 77, including 27 Bakehouses. These are clean and well kept, and no difficulty has been experienced with the occupiers to secure the observance of the Acts in force as to limewashing, sanitary condition, etc.

Four notices have been received from the Inspector of Factories, drawing attention to defects. The work required at three of these places has received attention, whilst in the other case, tenders for the work required were being obtained, and the firm concerned have given an undertaking to carry out the work as early as possible. It has been necessary to serve only one preliminary notice in order to secure the following, viz. :—

- 3 Pail Closets converted to W.Cs.
- 2 Privy Closets abolished.
- 9 additional W.Cs. provided.
- 4 W.Cs. provided with suitable flushing apparatus.

Smoke Observations.

Twelve observations of 10 minutes each have been taken of smoke chimneys within your District, none of which have exceeded 7½ minutes of smoke.

No notices have been served for the abatement of smoke nuisance.

Common Lodging Houses.

Your District is at the present time without a registered common lodging house.

Swine and Pigs.

The houses of 11 slaughter-houses in your District have been renewed during the year, and these, together with the two other existing places in the district, have been visited 12 times, and nothing noteworthy has been observed. It is to be noted that the condition of the premises is generally satisfactory.

Dairies and Cowsheds.

There are well kept, and have received 10 visits, whilst the regulations as to cleanliness, etc., have been duly observed. No notices have been served under the Dairies and Cowsheds Act.

Inspection have been made, along with Mr. Whitson, Veterinary Inspector of All Saints, in the District, with a view to detecting whether any were suffering from any infectious disease. Only one was suspected, and it was found to be suffering from a mild form of the disease. The animal was then slaughtered, and after inspection was condemned to being unfit for food. There are now on the premises 12 cows, and 15 calves.

Factories and Workshops.

There have been made to the various factories, workshops, and other premises in the District, on the register at the end of the year, 12 notices. These are clean and well kept, and no notices have been served. It has been endeavored to secure the observance of the regulations in force as to cleanliness, sanitary condition, etc.

Four notices have been received from the Inspector of Factories, during the year, in relation to defects. The work remained at a high standard, and no notices have been served. It has been endeavored to secure the observance of the regulations in force as to cleanliness, sanitary condition, etc.

Ashpit Cleansing.

Table showing the work done each month in this Department :—

	No. of Ashpits Emptied.	No. of houses represented.	No. of Bins Emptied.	No. of houses represented	Total No. of houses represent'd.	Loads of ashpit refuse removed		No. of loads of bin refuse removed.	Loads of Workhouse refuse re'm'd		No. of loads of ashpit refuse removed.
						Carts	Motors		Carts	Motors	
January ...	809	1626	4627	4552	6178	729	—	105	13	—	847
February...	930	1788	4382	4319	6107	786	—	96	18	—	900
March	993	1967	5100	5019	6986	919	—	106	29	—	1054
April	939	1866	4894	4800	6666	782	—	102	15	—	899
May	987	1855	4744	4666	6521	893	—	103	18	—	1014
June	872	1742	4329	4326	5978	614	39	92	117	—	862
July.....	1126	2265	4483	4397	6662	550	191	97	80	—	918
August ...	1328	2482	5163	5096	7578	651	214	98	98	14	1075
September	1263	2496	4803	4735	7231	549	179	92	16	7	843
October ...	1556	2904	5092	5000	7904	619	204	100	16	3	942
November	1414	2775	5272	5200	7975	516	228	107	44	18	913
December	1536	2947	5749	5665	8612	377	415	115	—	6	913
Total ...	13753	26713	58638	57775	81398	7985	1470	1213	464	48	11180

Privy Pails at 6 Mills, and Bins and Ashpits at Cottage Homes and Townley's, have been emptied weekly.

I would here place on record, the services rendered by Mr. Seel, Assistant Inspector.

I am, Gentlemen,

Your Obedient Servant,

J. MARSHALL, M.S.I.A.

YOUNG & RUBIN

[illegible]

$\rho(\mathbf{r}, t) = \sum_{\mathbf{k}} \rho_{\mathbf{k}}(\mathbf{r}, t) e^{i\mathbf{k} \cdot \mathbf{r}}$

ALAN ALLEN

Urban District Council of Farnworth.

ANNUAL REPORT

OF THE

Lady Health Visitor,

For the year ended 31st December, 1920.

To the Chairman and Members of the
Urban District Council of Farnworth.

GENTLEMEN,

I am submitting for your consideration the report for the twelve months ending December, 1920, of Nurse Aspden and myself.

During the year 696 births have been registered, and 82 deaths under one year have occurred.

660 births were of legitimate children, and 36 were illegitimate.

The births show an increase of 170 on the number registered during 1919, but an increase of 21 deaths during the year.

We record the highest number of births for 1920 during the last 10 years: in 1910 we recorded 700 births. The Infantile Mortality for the year is 117·81 per 1,000 births as against 124·23 per 1,000 births in 1919.

The average Infantile Mortality for previous five years ending December, 1919, was 120·44 per 1,000 births.

The average for the five years including 1920 is 112·37 per 1,000 births, which is a little lower.

Edison District Council of Townships.

ANNUAL REPORT

Lady Health Visitor.

For the year ended 31st December, 1920.

To the Chairman and Members of the
Edison District Council of Townships.

I am submitting for your consideration the report for the twelve months
ending December, 1920, of Nurse Aspin and myself.

During the year 206 births have been registered, and 82 deaths.
The year has been a busy one.

70 births were of legitimate children, and 26 were illegitimate.

The health of the women is very good, and the children are well.
We have not any cases of infant mortality during the year.

We record the highest number of births for 1920 during the last 10
years, in 1910 we recorded 700 births. The Infantile Mortality for the
year was 1.1 per 1,000 births as against 1.2 per 1,000 births in 1919.

The average infantile mortality for previous five years ending December,
1919, was 1.2 per 1,000 births.

The health of the women is very good, and the children are well.
We have not any cases of infant mortality during the year.

The following table shows the causes of death during the year as compared with 1915-16-17-18-19 and 20.

Years	Total	Chest	Infectious	Congenital	Digestive	Other Causes
1915	99	20	18	27	28	6
1916	54	8	4	21	17	4
1917	56	13	8	22	8	5
1918	55	8	6	18	16	7
1919	61	5	7	36	4	8
1920	82	21	2	37	15	7

The Congenital Causes are again very high for 1920. The deaths from this cause occurred under the following ages :—

DEATHS FROM CONGENITAL CAUSES :—

Deaths under 1 week	Deaths under 1-2 weeks	Deaths under 2-3 weeks	Deaths under 3-4 weeks	Deaths under 2 months	Deaths under 3 months	Deaths under 10 m'ths.
17	6	4	7	1	1	1

The following table will show the number of deaths during the year and under the ages in which they died :—

Deaths under 1 week	Deaths under 2 wks.	Deaths under 3 wks.	Deaths under 4 wks.	Deaths under the following Months.										Premature Babies	First Babies.	Attend Clinic.
				1	2	3	4	5	6	7	8	9	10			
20	8	5	2	19	5	4	7	2	2	2	1	0	5	17	26	9

54 Deaths occurring under one month. Total 82 Deaths.

The Births registered, and Deaths of Infants under one year, occurred in the following Wards as follows :—

BIRTHS.

	N.	S.	N.W.	S.W.	N.E.	S.E.	Total
January.....	10	13	15	21	5	7	71
February ...	11	14	17	19	5	6	72
March	6	10	12	18	10	4	60
April	14	9	11	16	9	6	65
May	6	13	6	5	3	12	45
June	11	12	10	12	8	4	57
July	12	12	10	16	11	8	69
August	10	8	9	8	3	5	43
September...	11	17	7	12	3	5	55
October	13	10	8	14	6	8	59
November ...	9	12	7	7	9	6	50
December ...	10	8	7	16	3	6	50
Totals.....	123	138	119	164	75	77	696

TABLE 1. - *Estimated number of deaths from smallpox in the United States, 1911-1912.*

Year	1911	1912	Total
Deaths	1,100	1,100	2,200
Deaths from smallpox	1,100	1,100	2,200
Deaths from other causes	0	0	0
Total	1,100	1,100	2,200

TABLE 2. - *Estimated number of deaths from smallpox in the United States, 1911-1912.*

Year	1911	1912	Total
Deaths	1,100	1,100	2,200
Deaths from smallpox	1,100	1,100	2,200
Deaths from other causes	0	0	0
Total	1,100	1,100	2,200

The following table will show the number of deaths during the year for the ages in which they died:—

Age	1911	1912	Total
Under 1 year	1,100	1,100	2,200
1 to 4 years	0	0	0
5 to 9 years	0	0	0
10 to 14 years	0	0	0
15 to 19 years	0	0	0
20 to 24 years	0	0	0
25 to 29 years	0	0	0
30 to 34 years	0	0	0
35 to 39 years	0	0	0
40 to 44 years	0	0	0
45 to 49 years	0	0	0
50 to 54 years	0	0	0
55 to 59 years	0	0	0
60 to 64 years	0	0	0
65 to 69 years	0	0	0
70 to 74 years	0	0	0
75 to 79 years	0	0	0
80 to 84 years	0	0	0
85 to 89 years	0	0	0
90 to 94 years	0	0	0
95 to 99 years	0	0	0
100 years and over	0	0	0
Total	1,100	1,100	2,200

TABLE 3. - *Estimated number of deaths from smallpox in the United States, 1911-1912.*

BIRTHS.

Year	1911	1912	Total
Births	1,100	1,100	2,200
Births from smallpox	1,100	1,100	2,200
Births from other causes	0	0	0
Total	1,100	1,100	2,200

DEATHS.

	N.	S.	N.W.	S.W.	N.E.	S.E.	Total
January ...	...	...	3	...	1	1	5
February...	1	1	...	2	1	...	5
March ...	...	6	3	3	1	3	16
April ...	2	...	...	3	...	...	5
May ...	2	2	...	...	...	2	6
June ...	1	3	1	1	...	...	6
July ...	...	1	2	...	...	...	3
August ...	2	...	...	...	1	...	3
September	2	5	...	...	...	...	7
October ...	1	5	2	...	1	...	9
November	3	...	3	2	1	...	9
December	3	...	...	2	1	2	8
Totals	17	23	14	13	7	8	82

The deaths and rates per 1000 births for the various wards are as follows :—

	N.		S.		N.W.		S.W.		N.E.		S.E.	
	Deaths	Death rate pr. 1000 births	Deaths	Death rate pr. 1000 births	Deaths	Death rate pr. 1000 births	Deaths	Death rate pr. 1000 births	Deaths	Death rate pr. 1000 births	Deaths	Death rate pr. 1000 births
1920 ...	17	138.21	23	166.6	14	117.64	13	79.26	7	93.3	8	103.89
Average for 5 yrs. including 1920...	60	141.84	87	148.46	45	94.93	63	94.31	27	89.4	25	93.19

The South Ward has the highest death-rate for the year. S.W. Ward the lowest.

For the five years ending December, 1920, the highest death-rate has been the South Ward, and N.E. Ward has been the lowest.

During the year we have paid :—

734 first visits.

3,736 re-visits, 1900 being to Infants under 1 year.

1,836 being to children under 5 years.

163 visits to expectant mothers.

61 visits to measles.

221 special visits have been paid.

4,469 homes have been visited.

4,907 total visits made.

4,975 total attendances have been made at the clinic, including 3,604 attendances by infants under 12 months and 1,371 attendances by children under five years.

163 attendances by expectant mothers.

10,023 lbs. of Glaxo have been sold.

633 lbs. of Glaxo have been given away.

907½ lbs. of Virol have been sold.

107 tins of Lactogol have been sold.

124 tins of Virolax have been sold.

56 coupons for free Milk have been given.

DEATHS

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Deaths	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

1000 births for the various years are as follows:

Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Births	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

The South Ward has the highest death-rate for the year 1920.

For the five years ending December, 1920, the highest death-rate has been the South Ward, and N.E. Ward has been the lowest.

During the year we have paid:

781 first visits.

100 visits to expectant mothers.

91 visits to nurses.

931 special visits have been paid.

4,907 total visits made.

Attendance have been made at the clinic including 4,561 under 12 months and 1,771 under 2 by children.

as organized by expectant mothers.

We celebrated the opening of our new Clinic in the Wesley School, Market Street, on Monday, February 23rd, 1920, when Mr. A. P. Smith, our late chairman, entertained the mothers to afternoon tea, besides representatives and friends from adjoining districts, the speaker being Dr. Moffatt, M.A.M.B., Clinical Tuberculosis Officer, for Bolton.

During the month of August the mothers had a very enjoyable char-a-banc drive to Southport.

From October 4th to 8th we celebrated Health Week, when we had the visit of the Maternity and Child Welfare Exhibition from London.

Lectures were given by the following:—

“Effects on Health of Insanitary Conditions,” by Dr. J. Cates, M.D., D.P.H., S.H.P.

“Infantile Mortality,” by Dr. J. Ferguson, M.B., D.P.H.

“Our Mothers and Babies,” by Nurse Pendlebury.

“Pure Milk,” by Rev. J. Wilcockson.

“The Welfare Centre, its aims and objects,” by Nurse Dixon, of Bacup.

“The Care of the Child,” by Nurse Edgar, of Todmorden.

“The Breath of Life,” by Nurse Aspden.

“The Mother’s Influence,” by Mrs. Topp.

The Exhibition was attended with great interest, and also by the School children each morning.

Some of the mothers took part in a sketch, entitled: “Danger Ahead,” and the children also gave an instructive mothercraft play.

We had a very enjoyable time at the Xmas Tree, which was held on December 23rd, Mr. Hutchinson being Santa Claus. The room was decorated with bannerettes and coloured lights, and also the tree was decorated with coloured electric bulbs. About 300 mothers brought their children, and each child received a toy from the tree by Santa Claus. They afterwards had tea and cakes.

In looking over the work of the Clinic during the last 12 months, there has been an increase in the attendances of nearly 2,500, which has been very pleasing. Lectures are given at nearly every session, which are very much appreciated. We have been grateful to the following for their lectures:—Dr. Ryner, who spoke on “Adenoids,” Revs. J. Wilcockson and C. S. Jackson, M.A., and Mr. J. Thornley, of Bolton, and Mrs. Topp, Moses Gate.

The Maternity Bags have been lent out on several occasions. During the year they have been replenished with the aid of Mrs. H. A. Barnes, who kindly gave material to make up garments, etc.; these were made up by members of Women’s Guild.

The voluntary workers who help at the Clinic at each session have done great service, and have been much appreciated.

I am,

Ladies and Gentlemen,

Your obedient Servant,

A. PENDLEBURY, A.R.San.I.

We celebrated the opening of our new Clinic in the Wesley School, Market Street, on Monday, February 23rd, 1930, when Mr. A. P. Smith, our late chairman, entertained the mothers to afternoon tea, besides representatives and friends from adjoining districts, the speaker being Dr. Moffatt, M.A.M.B., Clinical Tuberculosis Officer, for Bolton.

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"Our Mothers and Babies," by Nurse Pendlebury.

"Pure Milk," by Rev. J. Wilcockson.

"The Welfare Centre, its aims and objects," by Nurse Nixon, of
Bacup.

"The Care of the Child," by Nurse Eddgar, of Todmorden.

"The Breath of Life," by Nurse Aspin.

"The Mother's Influence," by Mrs. Topp.

The Exhibition was attended with great interest, and also by the School children each morning.

Some of the mothers took part in a sketch, entitled, "Hanger Ahead," and the children also gave an instructive mothercraft play.

We had a very enjoyable time at the Xmas Tree, which was held on December 23rd, Mr. Hutchinson being Santa Claus. The room was decorated with bannettes and coloured lights, and also the tree was decorated with coloured electric bulbs. About 300 mothers brought their children, and each child received a toy from the tree by Santa Claus. They afterwards had tea and cakes.

In looking over the work of the Clinic during the last 12 months there has been an increase in the attendance of nearly 2,500, which has been very pleasing. Lectures are given at nearly every session, which are very much appreciated. We have been grateful to the following for their lectures:—Dr. Ryner, who spoke on "Abandonment," Revs. J. Wilcockson and G. S. Jackson, M.A., and Mr. J. Thornley, of Bolton, and Mrs. Topp, Moses Gate.

The Maternity Bags have been lent out on several occasions. During the year they have been replenished with the aid of Mrs. H. A. Barnes, who kindly gave material to make up garments, etc.; these were made up by members of Women's Guild.

The voluntary workers who help at the Clinic at each session have done great service, and have been much appreciated.

I am,

Ladies and Gentlemen,

Your obedient servant,

A. PENNIEBURY, A.R.S.N.I.

The following table shows defects of children found between one year and school age previous to 1919, with new cases for 1920.

DEFECTS	1919	Improved	Died	Had Medical Attention	Visited at home	School	Attended Child Welfare Centre	1920	New Cases 1919	Improved	Died	Had Medical Attention	Attended Centre	Still on Books Dec., 1920
Rickets	6		1		6									2
Bow Legs	4	2		2	4			2						
Adenoids									2	1		2	2	4
Strabismus	8	4			8									
Sore Eyes									12	12			4	
Ophthalmia Neonatorum									4	3		4	1	2
Partially Blind	1								1			1	1	2
Hydrocephalus	1		1						2			2		1
Albino	1					1		1						
Discharging ears	2	2		2	2				4	4				2
Hare-Lip	2	1	1	2	2				1					1
Cleft Palate	1			1	1									
Hernia	5		2	5	5		1							2
Worms	4	4			4				4	2				3
Skin Trouble	4	4		4	4				10	7		4	3	1
Mental Deficiency	1			1	1									1
Deformed Hand	1													1
Heart Trouble	1		1		1									
Deaf and Dumb	1													
Phiuosis	5	5		5	5				2	2	2			
Infantile Paralysis	1													
Deformed Feet	1	1		1	1									
Odeoma									1	1		1		
Intersusception									4		3	4	1	
Jaundice									1	1		1		

